

FIG. 1

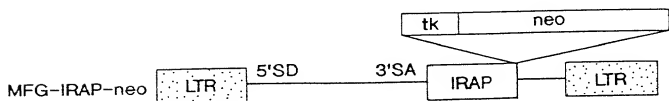


FIG. 2



FIG. 3

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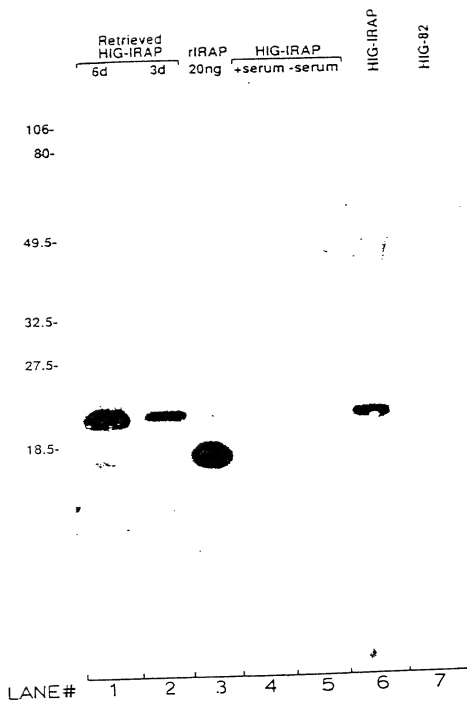


FIG. 4

Units Gelatinase/  
 $10^6$  Chondrocytes

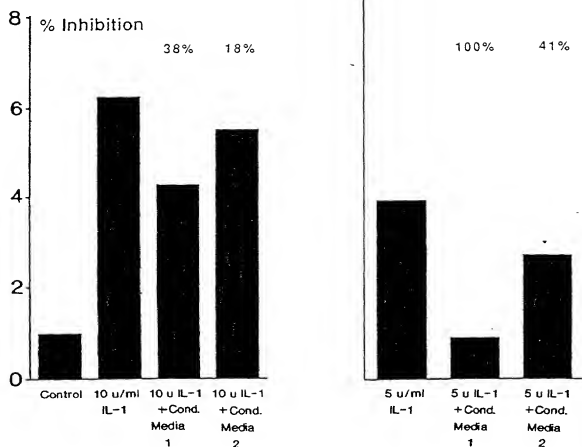


FIG. 5

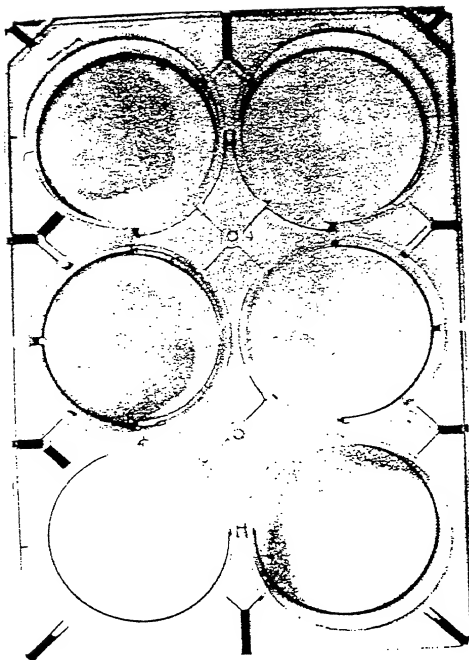


FIG. 6

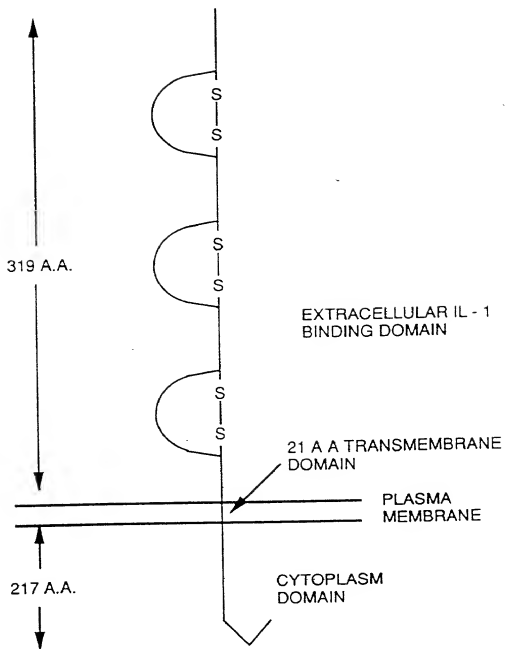


FIG. 7

[illegible]

FIG. 8A

[illegible]

FIG. 8B

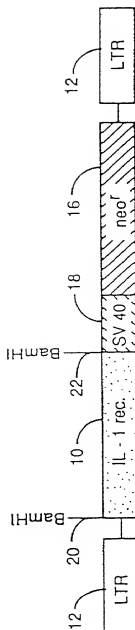


H	H	VaIGluValIleAsnGluAsnValLysSerArgArgLeuIleIleLeuValArgGluThr3erGlyPheSerTroleuGlyGlySerSerGluGluGln	454
M	M	GTTCAGGCTATTAATGAACACGTAAAGAAAGCAGAGACGTGATATATCATTTTAGTCAGAGAAACATCAGGCTTCAGCTGGCTGGGTGGTTTCATCTGAAGAGCAA	1362
M	M	ATCGAGGTTTACTTAATGAACATGTAAAGAAAGCAGAGGCTGATTATCATTTCTAGTGAGAGATATGGCAGGCTTCAGCTGGCTGGCCAGGTCATCTGAAGAGCAA	1353
M	M	IleThrAspMetTyrAsnAlaLeuValGlnAspGlyIleLysValIleLeuLeuGluLeuGlyIleGlnAspTyrGluLysMetProGluSerIleLysPheIle	1355
H	H	ATAGCCATGTAATATGCTCTTGTTCAGGATGGAAATTAAGATTGTCTCTGTAGCTGGAGAAATCCAGAGACTATGAGAAATGCCAGAAATCGATTAAATTCATT	489
M	M	ATAGCCATATACAAATGCTCTCATCCAGGAGGAATTAATAATCGTCTCTGTAGCTGGAGAAATCCAGAGACTATGAGAAATGCCAGAAATCGATTAAATTCATT	1467
M	M	IleLeuAspMetTyrAsnAlaLeuValGlnAspGlyIleLysValIleLeuLeuGluLeuGlyIleGlnAspTyrGluLysMetProGluSerIleLysPheIle	1470
M	M	ATAGCCATGTAATATGCTCTTGTTCAGGATGGAAATTAAGATTGTCTCTGTAGCTGGAGAAATCCAGAGACTATGAGAAATGCCAGAAATCGATTAAATTCATT	490
H	H	LysGlnLysHisGlyAlaIleArgTropSerGlyAspPheThrGlnGlyProGlnSerAlaLysThrArgPheThrLysAsnValArgTyrHisMetProValGln	524
M	M	AAGCAGAAACACACGAGTCTATTTGCTGGTTCAGGAGGACTTTACACAGGAGGACACAGCTCTGCAAGAGACAAAGGTTCTGGAAAGATGTCCAGGTACCCATGCCAGTCCAG	1572
M	M	AAGCAGAAACACACGAGTCTATTTGCTGGTTCAGGAGGACTTTCAAGAAAGACACAGCTCTGCAAGAGACCAAGTTCTGGAAAGATGTCCAGGTACCCATGCCAGTCCAA	1575
M	M	ValCysGlnAspProSerLysHisGlnLeuLeuSer-----ProAlaThrLysGluLysLeuGlnArgGluAlaHisValProLeuGlyEnd	525
H	H	CGACCGTACACCTTCATCTTAACACACAGTACTTGTCT-----ACGAGGCTCAATAAGGAGAACTGCAAGAGAGAGGCTCAGGTGCTCTGTGGTAGCATGGAA	1665
M	M	CGAGAGATCACCATTGTCTTAACACACGCTTACTAACCTGGATCTGTGCGGAGACCTTAAGGAGAGAACTGCGGAGAGACACACTTACCACCTCGGCTAGCATGGC	1680
M	M	LeuArgThrLeuAspProValArgAsp-----ProAlaIleThr-----	557

FIG. 8C

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Structure Of The PLJ - ILrec Retroviral Vector  
And Partial Restriction Endonuclease Map



LTR - Long Terminal Repeats - Regulates Viral  
Transcription And Expression Of IL - 1 Receptor

neo<sup>r</sup> - Bacterial Gene Encoding Resistance To The  
Antibiotic Neomycin

SV 40 - Simian Virus 40 Enhancer Promoter - Regulates  
Expression Of The neo<sup>r</sup> Gene

FIG. 9

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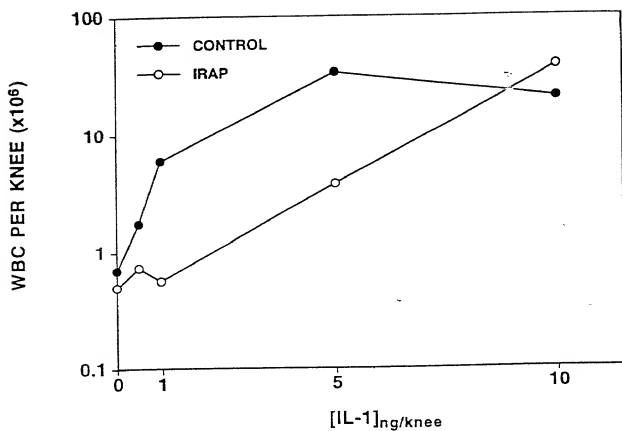


FIG. 10

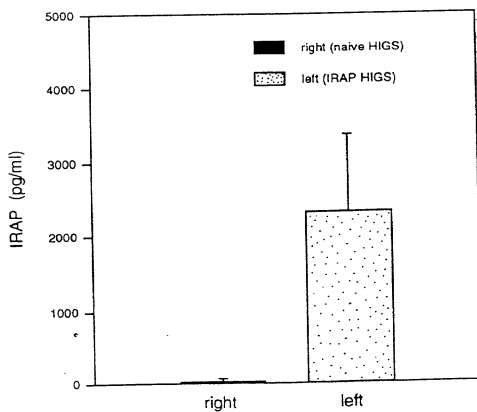


FIG. 11

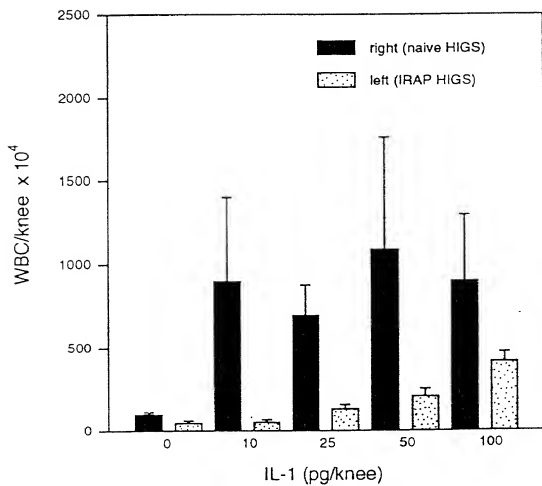


FIG. 12A

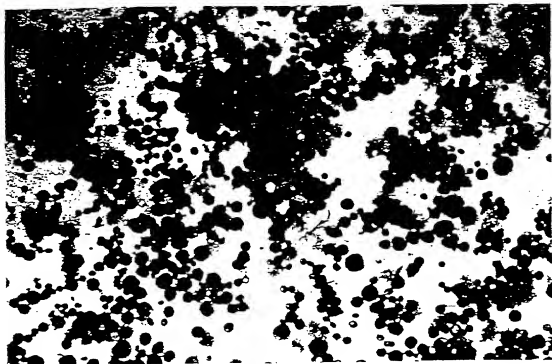


FIG. 12B

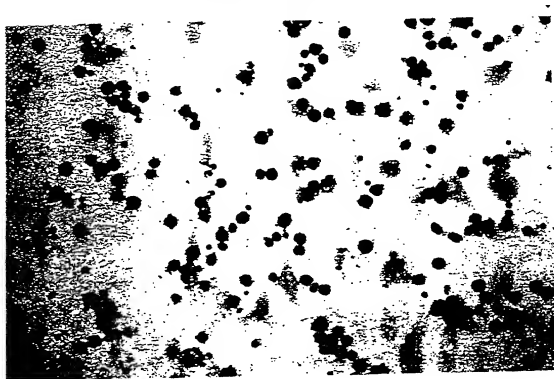


FIG. 12C

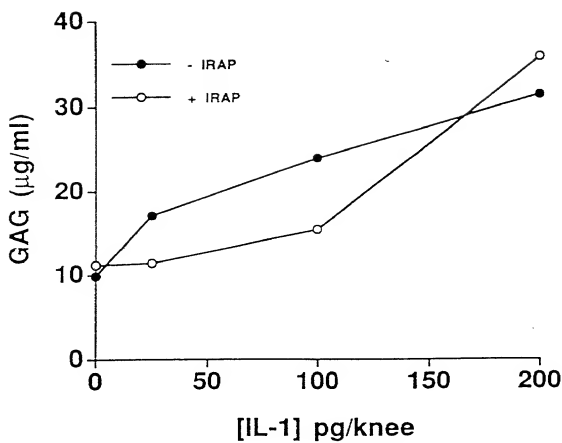


FIG. 13

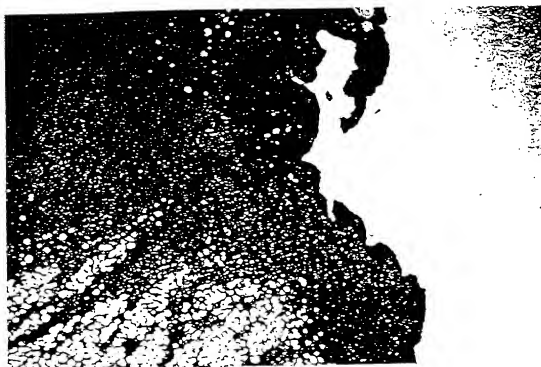


FIG. 14A

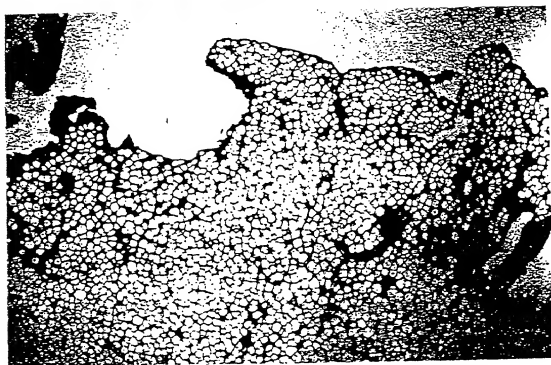


FIG. 14B

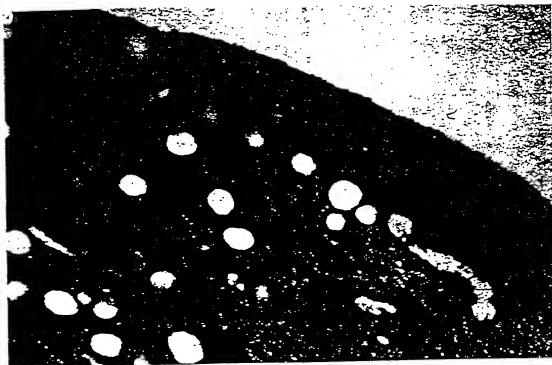


FIG. 14C

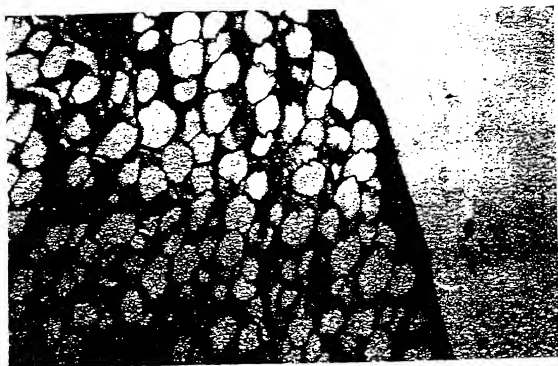


FIG. 14D



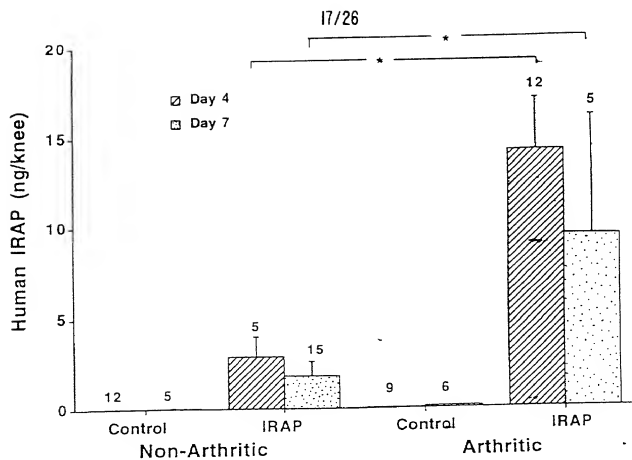


FIG. 15

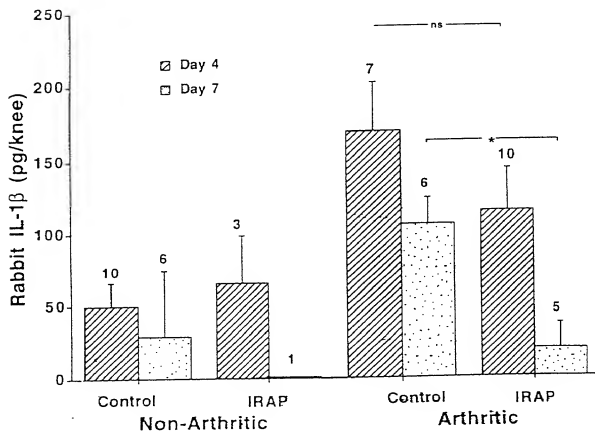


FIG. 16

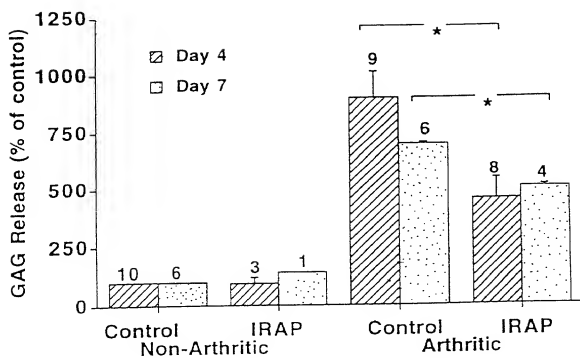


FIG. 17A

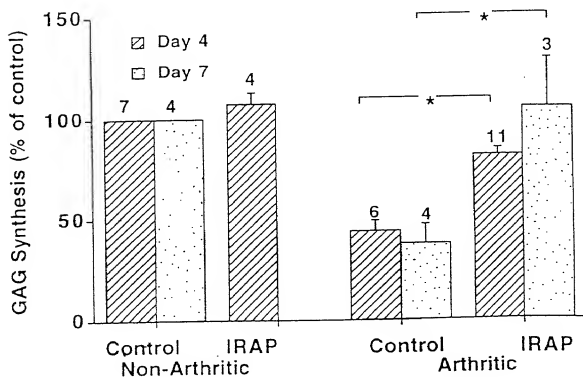


FIG. 17B

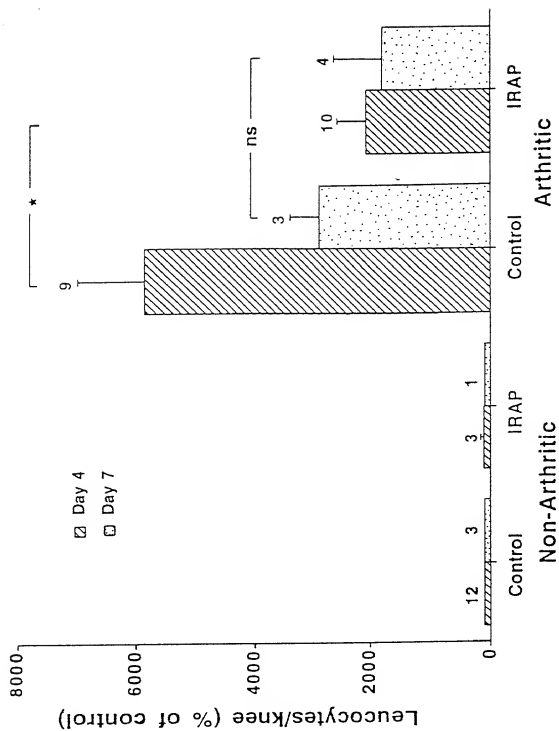


FIG. 18

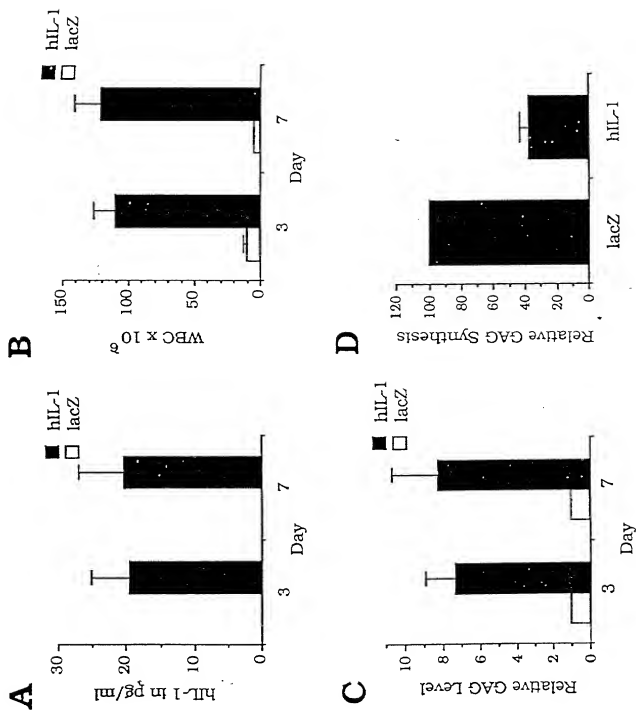


FIG. 19.

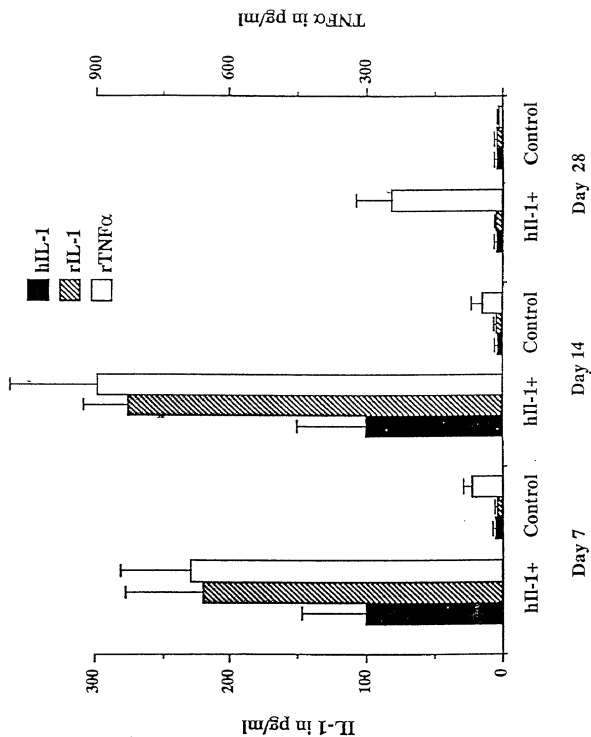


FIG. 20.

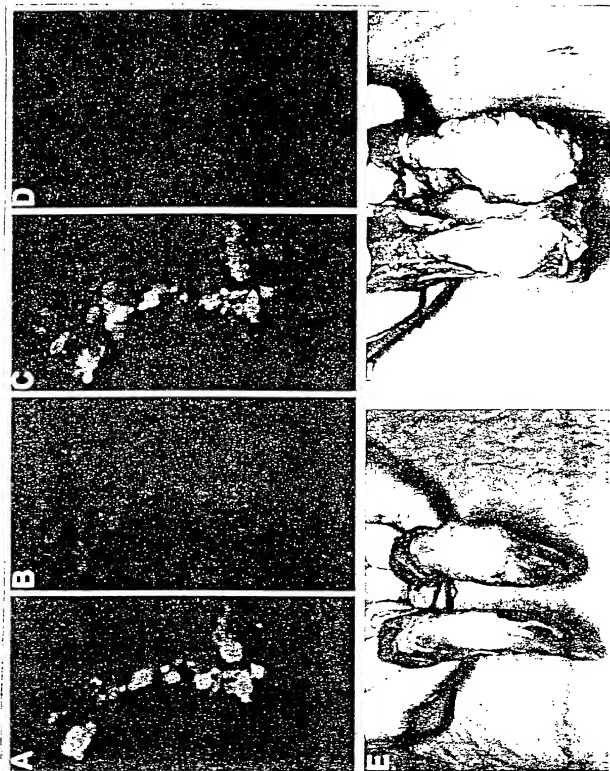


FIG. 21.

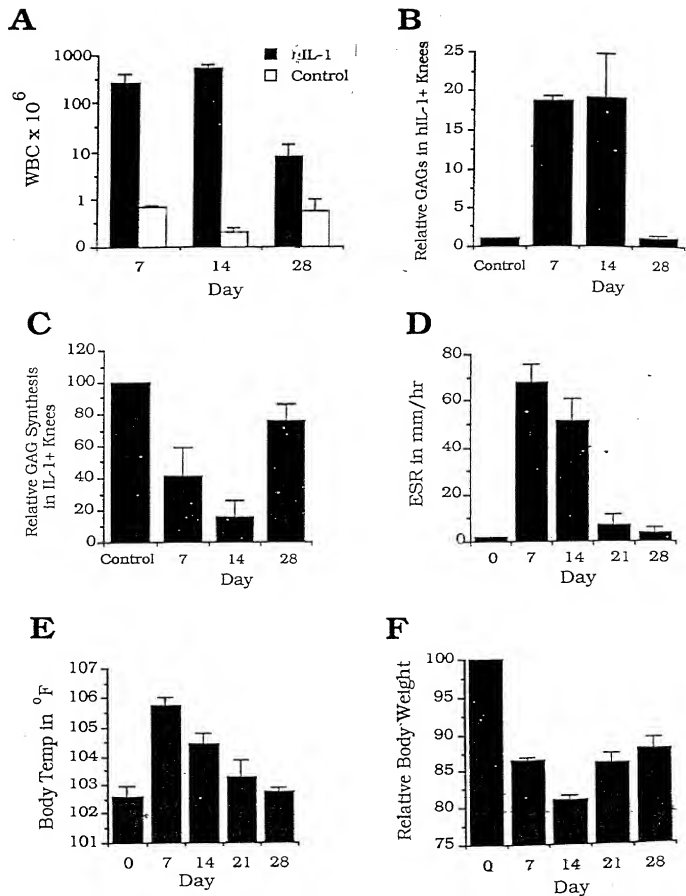


FIG. 22.

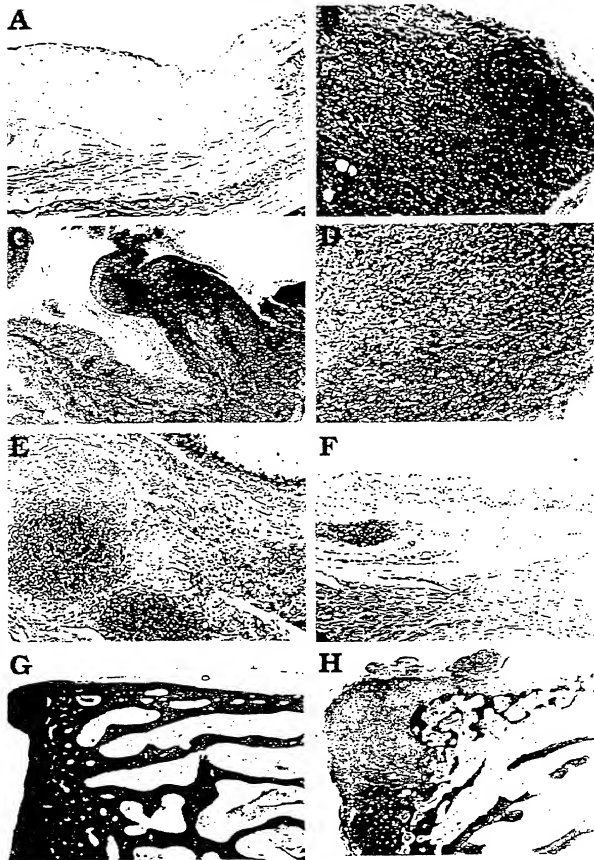


FIG. 23.



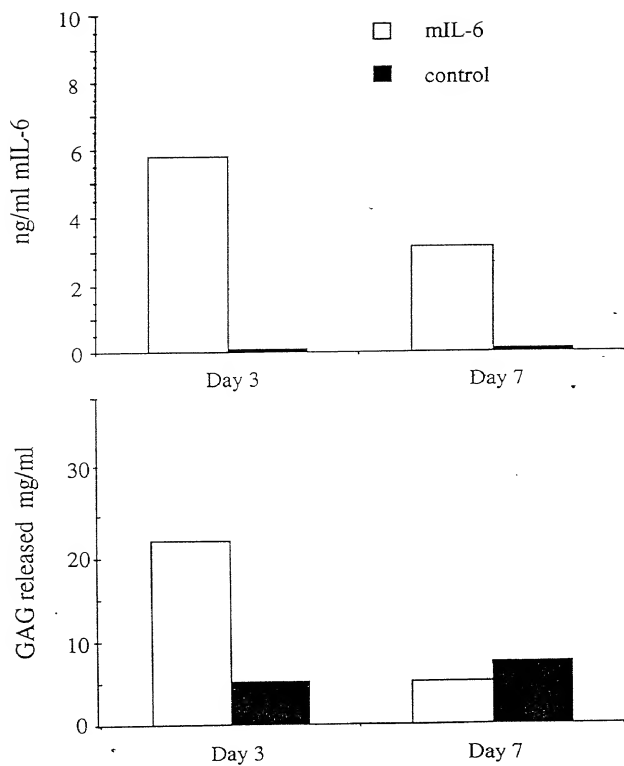


FIG. 24.

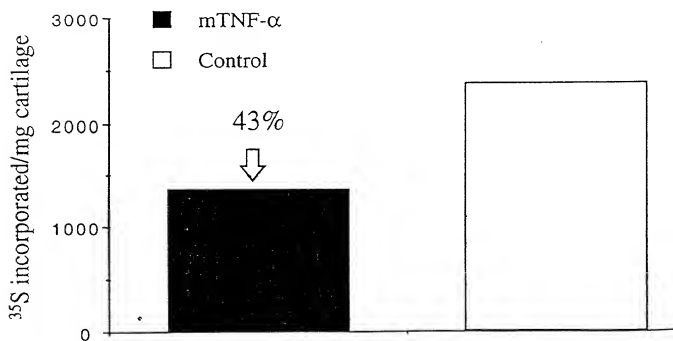
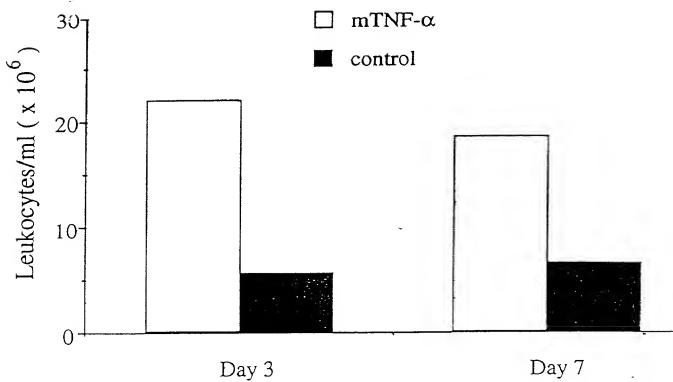


FIG. 25.